

March 3, 2006
Job Number:1217-030
Altadena Crest Trail Improvements

MEMORANDUM FOR THE RECORD

2.6 1217-030.M05

TO: County of Los Angeles, Chief Administrative Office
(Mr. Jan Takata, Mr. Adrian Garcia, and Mr. Scott Kuhn)

FROM: Sapphos Environmental, Inc.
(Mr. Edward Belden)

SUBJECT: Summary of Cultural Resources Literature Review for the
Altadena Crest Trail Improvements, Los Angeles County,
California

ATTACHMENTS: 1. References

EXECUTIVE SUMMARY

This Memorandum for the Record (MFR) transmits the results of a literature review conducted to determine the presence of cultural resources within the area of the Altadena Crest Trail Improvements (proposed project) located within the unincorporated community of Altadena, Los Angeles County, California. The literature review undertaken at the South Central Coast Information Center (SCCIC) on June 8 and December 6, 2005, indicates the presence of previously recorded archaeological and historical resources within the proposed project boundary. As a result there are potential impacts to cultural resources.

The proposed project addresses approximately 9.8 miles of trails located in the northern portion of the community of Altadena, an unincorporated portion of the County of Los Angeles along the southern foothills of the San Gabriel Mountains, California. The proposed project site is located on the U.S. Geological Survey (USGS) 7.5-minute series Pasadena and Mount Wilson topographic quadrangles (Townships 1 and 2 North, Range 12 West, Section 3, and partial Sections 2, 4, 11, and 33).^{1,2}

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¹ U.S. Geological Survey, 1995. Pasadena 7.5-Minute Series Topographic Quadrangle. Reston, VA.

² U.S. Geological Survey, 1966 (Photo revised 1988). Mount Wilson 7.5-Minute Series Topographic Quadrangle. Reston, VA.

LITERATURE REVIEW

A literature review for previously recorded archaeological and historical resources within the proposed project boundary was conducted at SCCIC on June 8, 2005 and December 6, 2005. This search included a review of all known relevant cultural survey and excavation reports to ascertain potential impacts to archaeological and historical resources in the proposed project area, also known as the Area of Potential Effect (APE). As part of the literature review, the 2005 editions of the California Historical Resources Inventory (HRI), the National Register of Historic Places (NRHP), the California Historical Landmarks (CHL), and the California Points of Historical Interest (CPHI) were searched to determine the presence of historic resources potentially impacted as a result of the proposed project.

Archaeological/Historical Sites Identified within the Proposed Project Area

The results of the literature review identified 16 archaeological/historical sites within the proposed project area (Table 1, *Cultural Resources Previously Identified within the Proposed Project Area*).

**TABLE 1
CULTURAL RESOURCES PREVIOUSLY
IDENTIFIED WITHIN THE PROPOSED PROJECT AREA**

| SITE NO./NAME | SITE TYPE | NRHP/CRHR | CHL | CPHI | LOCAL |
|--------------------------------------|--|---------------|-----|------|-------|
| Archaeological/Historic Sites | | | | | |
| 19-001599 | Prehistoric site with historic component | Not evaluated | n/a | n/a | n/a |
| 19-002055 | Ruins of La Vina Sanatorium | Not evaluated | n/a | n/a | n/a |
| 19-002056 | Trail/Gidding's Toll Road | Not evaluated | n/a | n/a | n/a |
| 19-002358 | Historic water pipe | Not evaluated | n/a | n/a | n/a |
| 19-002679 | Headstone (Millard family) | Not evaluated | n/a | n/a | n/a |
| 19-003014 | Brown Brothers' El Prieto Homestead: Man-made foundation/earthpad | Not evaluated | n/a | n/a | n/a |
| 19-03099 | Millard Canyon Trail | Not evaluated | n/a | n/a | n/a |
| 19-100276 | Isolated discoidal | Not evaluated | n/a | n/a | n/a |
| 19-186870 | Southern California Edison (SCE) Eagle Rock/Laguna Bell Transmission Line Corridor | Not evaluated | n/a | n/a | n/a |
| 19-186872 | Forest Service Road 2N66 (Brown Mountain Road) | Not evaluated | n/a | n/a | n/a |

| SITE NO./NAME | SITE TYPE | NRHP/CRHR | CHL | CPHI | LOCAL |
|---------------|---|------------------------|-----|------|-------|
| 19-186873 | Forest Service Road 2N68 (Prieto Fire Road) | Not evaluated | n/a | n/a | n/a |
| 19-003090 | Lower Sam Merrill Trail | Not evaluated | n/a | n/a | n/a |
| 19-002400 | Rubio Canyon Pipeline | Not evaluated | n/a | n/a | n/a |
| 19-002338 | Idle Hour Trail | Not evaluated | n/a | n/a | n/a |
| 19-003080 | Upper Sam Merrill Trail | Not evaluated | n/a | n/a | n/a |
| 19-002443 | Mount Wilson Toll Road | Eligible for NRHP/CRHR | n/a | n/a | n/a |

KEY:

NRHP/CRHR = Listed on the National Register of Historic Places and California Register of Historical Resources

CHL = Listed as California Historical Landmark

CPHI = Listed as California Points of Historical Interest

LOCAL = Listed under a local designation

Description of Archaeological/Historical Sites Identified within the Proposed Project Area

The results of the literature review identified 16 archaeological/historical sites within the proposed project area:

- 19-001599: A prehistoric site with a historic component. The specific information for this site shall not be made available to the general public due to the need to protect cultural resources. This information is intended exclusively for use by the County of Los Angeles. In order to protect the sites from unauthorized excavation, looting, or vandalism, the Lead Agency shall not publicize the location of known archaeological resources beyond what is necessary. Section 6254(r) of the Government Code explicitly authorizes public agencies to withhold information from the public relating to "Native American graves, cemeteries, and sacred places maintained by the Native American Heritage Commission." Section 6254.10 of the Government Code specifically exempts from disclosure requests for "records that relate to archaeological site information and reports, maintained by, or in the possession of the Department of Parks and Recreation, the State Historical Resources Commission, the State Lands Commission, the Native American Heritage Commission, another state agency, or a local agency, including the records that the agency obtains through a consultation process between a Native American tribe and a state or local agency." Due to the sensitive nature of cultural resources described herein, this information is confidential and meant for informational purposes only for the County of Los Angeles.
- 19-002055: This site was recorded in 1992 by Carmen Weber of Chambers Group, Inc. in support of a Historic Resources Assessment of the La Vina Property. The site was recorded as the ruins of the La Vina Sanatorium, which was built between 1907 and 1935. The La Vina Sanatorium was destroyed by a fire in 1935, and the site was further disturbed by fire in 1991. Recorded features included concrete piers, building foundation walls, and cobblestone and concrete walls. Artifacts noted included early 20th century ceramics. This site has not been evaluated for the National or California Registers, or any local listings. This site is not within 25 feet of the proposed trail segments.

- 19-002056: This site was recorded as Gidding's Toll Road in 1992 by Carmen Weber of Chambers Group, Inc. in support of a Historic Resources Assessment of the La Vina Property. The site forms a segment of a toll road that leads to several waterfalls located in Millard Canyon. It was constructed by Eugene W. Giddings circa 1890s. A large portion of the segment is lined by large oak trees. The site record notes that a portion of the toll road is still in use as a modern hiking trail and that a majority of the stonework and shoring on the trail is modern. According to the topographic map, the toll road/trail is located at the end of Lincoln Avenue, adjacent to the west side of the location of the former La Vina Sanatorium. This site has not been evaluated for the National or California Registers, or any local listings. This site is not within 25 feet of the proposed trail segments.
- 19-002358: This site was recorded in 1995 by Laurie S. White of Archaeological Associates during a Phase I survey of 600 feet of a pipeline alignment in El Prieto Canyon. The Lincoln Avenue Water Company El Prieto Canyon water conveyance system was originally constructed in 1928. The dimensions of this segment of the pipeline are 180 meters in length by 1 meter in width. The site record indicates that the pipeline was maintained from 1928 to 1974, and was then abandoned. It is also noted that a major retrofit of the pipeline occurred in 1967 and the original pipe was replaced with modern materials. Based on this information, the pipeline route is historic, but the pipe is less than 50 years of age. This site has not been evaluated for the National or California Registers or local listings. This site is not within 25 feet of the proposed trail segments.
- 19-002679: This site is an isolated grave marker. It was recorded in 1998 by Patrick O. Maxon of RMW Paleo Associates during archaeological monitoring of grading activities for the La Vina Planned Development. The grave marker consists of a headstone fragment made of local granite. The headstone was marked with the initial "M," a Christian cross, and the date "1865." The grave marker may be associated with the Millard family and was likely constructed sometime during 1865 or prior. This artifact was likely collected and the area was completely disturbed during construction of the La Vina development. Isolates are not eligible for the National or California Registers. This site is not within 25 feet of the proposed trail segments.
- 19-003014: This site is a man-made pad/foundation/flat area located directly above a creek. The site was recorded in 2002 by Darrell W. Vance of the Angeles National Forest during a Phase I Archaeological Survey. According to the site record, this site is the Brown Brothers' El Prieto Homestead. Owen and Jason Brown applied for a homestead patent for 40 acres in El Prieto Canyon in 1887 and subsequently built a cabin. The brothers lived in the cabin until Owen Brown died in 1889. Historic records indicate that the cabin was destroyed in a forest fire in 1896. Today, the homestead site consists only of a 30-by-20-meter man-made pad. No other artifacts or features were encountered during the survey. This site has not been evaluated for the National or California Registers, or for local listing. This site is not within 25 feet of the proposed trail segments.
- 19-003099: This site is the Millard Canyon Trail, which also includes a cistern and water conveyance systems. The site was recorded in 2002 by Darrell W. Vance of the Angeles National Forest during a Phase I Archaeological Survey. The trail runs from Millard Campground to Tom Sloane Saddle, north of the campground, and is approximately 4.6 miles in length. The trail was and remains to be the primary access into Millard Canyon. In the late 1800s to early 1900s, the trail was used to access summer homes in Millard Canyon, mining

ventures, and irrigation pipelines, and a reservoir. Millard Canyon was the source of water that was piped into Altadena and Pasadena. At least three distinct pipelines follow the trail route. All appear abandoned and may date from the late 1800s to the early 1900s. Many metal pipe fragments and other metal debris were encountered along the creek and the trail during the survey. U.S Department of Agriculture (USDA) Forest Service maintenance of the trail has caused slight re-routing of the trail over time. This site has not been evaluated for the National or California Registers, or for local listing. This site is not within 25 feet of the proposed trail segments.

- 19-100276: This resource is an isolated artifact. It was recorded in 1998 by Patrick O. Maxon of RMW Paleo Associates during archaeological monitoring of grading activities for the La Vina Planned Development. The artifact, a granitic discoidal that is round with flat, parallel sides, was recovered in a disturbed area that was mixed with modern refuse material and was not in its original form. Isolates are not eligible for the National or California Registers, or any local listing. This site is not within 25 feet of the proposed trail segments.
- 19-186870: This resource is the SCE Eagle Rock-Laguna Bell Transmission Line. A 5.6-mile segment of this transmission line was recorded in 2003 by James and June Schmidt of Compass Rose Archaeological, Inc. The transmission line was originally constructed in 1922–1923 and was modified in 1961. The site is currently accessed by USDA Forest Service Roads 2N66 (Brown Mountain Road) and 2N68 (Prieto Fire Road). This site has not been evaluated for the National or California Registers, or any local listing. This site is not within 25 feet of the proposed trail segments.
- 19-186872: This resource is USDA Forest Service Road 2N66 (Brown Mountain Road). The 2.6-mile long road was recorded in 2003 by James and June Schmidt of Compass Rose Archaeological, Inc. The road is depicted on USDA Forest Service maps (1926 and 1931) as a trail. In 1939, the road is shown on the USGS 6-minute series Mount Lowe topographic quadrangle as a motor road. The road is graded and includes a number of retaining structures, including mortared stone walls, culverts, metal retaining walls, etc. This site has not been evaluated for the National or California Registers, or any local listing. This site is not within 25 feet of the proposed trail segments.
- 19-186873: This resource is USDA Forest Service Road 2N68 (Prieto Fire Road). The 1-mile long road was recorded in 2003 by James and June Schmidt of Compass Rose Archaeological, Inc. The road is depicted on USDA Forest Service maps (1926 and 1931) as a trail. In 1939 the road is shown on the USGS 6-minute series Mount Lowe topographic quadrangle as a motor road. The road is accessed northward off Rising Hill Road, Pasadena. The road is graded and does not have any associated structural elements. This site has not been evaluated for the National or California Registers, or any local listing. This site is not within 25 feet of the proposed trail segments.
- 19-003090: This resource is the Lower Sam Merrill Trail. The site was recorded in 1995 by Darrell W. Vance of the Angeles National Forest during an archaeological reconnaissance survey. The trail skirts both sides of the summit of Mount Lowe. All along the trails were spots to picnic and pipe directional indicators (pipe telescope) to site distant landmarks. The trail complex was built by T.S.C. Lowe in 1893 as part of the Mount Lowe Railway System. It was renamed in 1949 for Sam Merrill, a mountain conservationist. This site has not been evaluated

for the National or California Registers, or for local listing. This site is not within 25 feet of the proposed trail segments.

- 19-002400: This resource is a pipeline found in Rubio Canyon. The site was recorded in 2002 by Darrell W. Vance of the Angeles National Forest during a Phase I Archaeological Survey. The pipe is 4 inches in diameter and is 450 feet long, running along the northeast side of Rubio Canyon. The pipe was used to bring water from Millard Canyon into summer homes located in Rubio Canyon. The pipe was in use from the late 1800s to the early 1900s and was then abandoned. There were no other cultural resources found. The pipe is the only historic object located at this site. This site has not been evaluated for the National or California Registers, or for local listing.
- 19-002338: This resource is the Idle Hour Trail. In 1987, Ronald M. Bissell and Partick O. Maxon of RMW Paleo Associates conducted a Phase I Archaeological Survey. Idle Hour Trail passes within 300 yards of the proposed project area. No cultural resources were found.
- 19-00380: This resource is the Upper Sam Merrill Trail. This site was recorded in 1995 by Darrell W. Vance of the USDA Angeles National Forest during an archaeological reconnaissance survey. The Upper Sam Trail is the northern portion of the original "Mount Lowe Eight," a long figure-eight-shaped trail complex built by T.S.C. Lowe in 1893 as part of the Mount Lowe Railway System. At the center of the figure-eight, Ye Alpine Tavern was built in 1895. All along the trail system were spots to picnic, and pipe directional indicators (pipe telescope) to site distant landmarks. The trail continued to be maintained by private business until abandonment of the Railway in 1938. USDA Forest Service has managed it since. It was renamed in 1949 for Sam Merrill, a mountain conversationalist. Found at the site were scatters of historic debris (primarily bottle fragments and cans) at points along the trail. Most notable, are those at the southern terminus (05-01-119-03), summit of Mount Lowe (05-01-51-119-06 and -07), and the northern terminus. These scatters are directly associated with the trail use over time. This site has not been evaluated for the National or California Registers, or for local listing. This site is not within 25 feet of the proposed trail segments.
- 19-002343: This resource is Mount Wilson Toll Road. This site was recorded in 1995 by David D. Earle and William Hayden of Macko, Inc. A historical and Phase I Archaeological Survey was conducted. Based on the historical information forwarded by Mr. Earle and Mr. Hayden to the Office of Historic Preservation, the California Department of Parks and Recreation ruled on January 24, 1996 that Mount Wilson Toll Road is an eligible historical property under Criterion A.

Archaeological/Historical Sites Identified Adjacent to the Proposed Project Area

The results of the literature review identified 24 reports that cover portions of the proposed project area (Table 2, *Cultural Resources Studies within or Adjacent to the Proposed Project Area*).

**TABLE 2
CULTURAL RESOURCE STUDIES WITHIN
OR ADJACENT TO THE PROPOSED PROJECT AREA**

| Report No. | Investigation Type | Sites in Proposed Project Area | Conducted By | Date |
|--------------------------------------|--|--|--|------|
| Archaeological/Historic Sites | | | | |
| LA1312 | Phase I Archaeological Survey to upgrade and complete the fuel break system | None | USDA Forest Service-Saugus Ranger District | 1976 |
| LA1603 | Phase I Archaeological Survey for the Millard Canyon Recreation Tract | None | USDA Forest Service-Angeles National Forest, Mike McIntyre | 1986 |
| LA1659 | Phase I Archaeological Survey of 250 acres for the La Vina Property | One isolated quartzite flake (not collected) was located on the area west of Lincoln Avenue outside of the proposed project area | RMW Paleo Associates, Ronald M. Bissell | 1987 |
| LA1674 | Helicopter-assisted archaeological survey of tower sites along the northern portion of the Gould-Mesa 220 kilovolts (kV) Transmission Line | None | SCE, David R.M. White | 1986 |
| LA2098 | Phase I Archaeological Survey of 250 acres for the La Vina Property | Area 1: 19-001599 (near reservoir) Area 2: no other sites were recorded | RMW Paleo Associates, Ronald M. Bissell | 1990 |
| LA2541 | Trail Use Study of three hiking and riding trails | None within the proposed project area | USDA Forest Service-Angeles National Forest, Mike McIntyre | 1989 |
| LA3253 | Phase I Archaeological Survey | 19-002358 | Archaeological Associates/Robert and Laurie White | 1995 |
| LA3358 | Phase I Archaeological Survey of 2 acres | None | H.E.A.R.T./Robert Wlodaski | 1996 |

| Report No. | Investigation Type | Sites in Proposed Project Area | Conducted By | Date |
|--|--|---|---|------|
| LA4332 (LA2501,LA 1659,LA26 02,and LA2799 cover the same project area) | Archaeological monitoring of grading and summary of previous cultural resources studies for the La Vina Planned Development | 19-001599 19-002055 19-002056 19-002679 19-100276 | RMW Paleo Associates Ronald M. Bissell/Patrick O. Maxon | 1998 |
| LA6957 | Phase I Archaeological Survey of apiary site | None | Jones and Stokes/Noelle Storey | 2002 |
| LA4122 | Archaeological reconnaissance report for Kinneloa Fire Suppression | None | Heritage Resource/Douglas Millbrew | 1993 |
| LA4121 | Cultural resources reconnaissance for Rubio Canyon Pipeline | None | Macko, Inc./Robert Wlodaski | 1996 |
| LA3277 | Cultural resources reconnaissance for Mount Wilson Trail Road | None | Macko, Inc./Robert Wlodaski | 1995 |
| LA4485 | Archaeological reconnaissance report for trail survey report | None | USDA Forest Service-Angeles National Forest, Mike McIntyre | 1998 |
| LA6858 | Archaeological reconnaissance report for trail survey report (ARR-05-01-0681) | None | SCE, David R.M. White | 2002 |
| LA1353 | Archaeological reconnaissance report for Idle Hour Trail (passes 300 feet from the proposed project site) | None | USDA Forest Service-Angeles National Forest, Richard Ober | 1978 |
| LA1312 | Archaeological reconnaissance report for fuel break system | None | California State University at Northridge (CSUN), Rick Wessel | 1976 |
| LA3450 | Cultural reconnaissance report for pipeline | None | Historic Environmental, Inc. R.S. Wlodaski | 1996 |
| LA1674 | Helicopter-assisted archaeological survey of tower sites along the northern portion of the Gould-Mesa 220 kV Transmission Line | None | SCE, David R.M. White | 1986 |

| Report No. | Investigation Type | Sites in Proposed Project Area | Conducted By | Date |
|------------|--|--------------------------------|---|------|
| LA640 | Cultural reconnaissance report for Mount Wilson Toll Road Widening Project | Inclusive | USDA Forest Service & Fire Warden Ron Mayer | 1975 |

Description of Archaeological/Historical Sites Identified Adjacent to the Proposed Project Area

The results of the literature review identified 24 reports that cover portions of the proposed project area:

- **LA1312:** In 1976, USDA Forest Service conducted a Phase I Archaeological Survey of the fuel grade system in the Crest-Millard Fuel Management Unit. The fuel grade system includes graded fire breaks and roads to suppress fires. The management unit divides large vegetation masses into smaller ones by the use of a fire break. This work is conducted by mechanical excavation. The Phase I Archaeological Survey was conducted by helicopter. In addition, a cursory vehicle survey from nearby roads was also conducted. The results of the survey conducted by Rick Wessel were negative. Only one site, 19-00342 was identified in the literature search. This site is not within the proposed project area.
- **LA1603:** In 1986, USDA Forest Service employee Mike McIntyre conducted a Phase I archaeological survey of the Millard Canyon Recreation Tract. This tract is located on both sides of Millard Canyon Stream. Archaeologists walked each side of the stream in a zigzag manner and recreational residences/cabins were surveyed in 5-meter intervals. No sites were identified during this survey.
- **LA1659:** In 1987, Ronald M. Bissell of RMW Paleo Associates conducted a Phase I archaeological survey of 250 acres for the La Vina Property. Survey methods included north-south transects that were spaced at 15-meter intervals in the area west of Lincoln Avenue and south of the former La Vina Sanatorium buildings (demolished). In addition, approximately 50 percent of the Millard Canyon floor was examined. Only one isolated quartzite flake was observed during this investigation. This flake was not collected and it appears to have been found outside of the boundaries of the current study area. Other observances include disturbances in the study area. Mr. Bissell concluded that some of the disturbance occurred during the historic use of the area. He notes that various roads, trails, and fire breaks have been graded in the study area.
- **LA1674:** In 1986, David R.M. White of SCE performed a helicopter-assisted archaeological survey of tower sites along the northern portion of the right-of-way for the Gould-Mesa 220 kV Transmission Line, Los Angeles County, California. The purpose of this study was to investigate the feasibility of a rebuild of 18 miles of the Gould-Mesa Transmission Line. The portion of this investigation located within the current La Vina development was surveyed from helicopter. Mr. White notes that a helicopter survey he conducted in 1984 concluded that the existence of a flat/bench area just north of Millard Canyon, which may have been suitable for prehistoric human occupation. Mr. White determined that there was a low probability to encounter prehistoric human occupation due to the steep terrain. Mr. White noted that the existing towers were located on the edge of very steep ridges and concluded that a linear pedestrian

survey was not feasible. Survey methods included lowering surveyors to the tops of ridges by helicopter. The surveyors walked from tower to tower, where possible. The results of the survey were negative (i.e., no historic or prehistoric sites were identified).

- LA2098: Ronald M. Bissell of RMW Paleo Associates prepared additional research as a supplement to the Phase I Archaeological Survey that he conducted in 1987 (LA1659). This report also includes mitigation measures. Mr. Bissell explains in this report that Chester King conducted a survey of the La Vina property on April 10, 1989 and recorded 19-001599. This site was identified immediately west of the reservoir. In addition, Mr. Bissell explains that Dr. J. Frierman and Raymond Towne also visited the La Vina property/19-001599 on November 5, 1988 and Town and Clay Singer returned to the La Vina property/19-001599 on November 19, 1988. Three artifacts, two manos, and a chert flake were collected during the other archaeologists' investigations. Mr. Bissell notes that there is some discrepancy between where King says the artifacts are from and where the collected artifacts were originally located. Mr. Bissell divides the study area into Area 1 and Area 2. These are the only two areas within the proposed project boundary that Mr. Bissell feels are suitable for prehistoric human occupation. Area 1 is located west of the reservoir and Area 2 lies to the south of the former La Vina Sanatorium. Area 1 has been subject to extensive disturbance. Area 2 is also very disturbed. Mitigation measures included pedestrian surveys for both areas. Area 1 yielded 10 artifacts, 9 of which were historic ceramics. The tenth artifact was a granite cobble, possibly a mano. Area 2 yielded numerous historic ceramic sherds and bottles. No prehistoric archaeological materials were observed. Mechanical excavation was then used in both areas to determine any subsurface depth. Similar artifacts were found subsurface. The report notes that a large archaeological deposit existed near the mouth of Millard Canyon. In conclusion, only a scarce amount of artifacts were found at each location and Mr. Bissell concluded that there is no evidence of permanent or seasonal archaeological habitation within the proposed project area.
- LA2541: In 1989, USDA Forest Service employee Mike McIntyre conducted an archaeological study of three hiking and riding trails within the Arroyo Seco Ranger District. Two archaeological sites were found, 19-001950 and 19-001951. Neither of these resources are located within the proposed project area.
- LA3253: In 1995, Robert White and Laurie White of Archaeological Associates conducted a survey of 1 linear mile for the El Prieto Canyon Pipeline Replacement Project. During their investigation, they found historic pipelines and recorded it as 19-002358. The site has not been evaluated for the National or California Registers.
- LA3358: In 1996, Robert Wlodarski of H.E.A.R.T. conducted a Phase I Archaeological Survey. No resources were identified during this survey.
- LA4232: In 1998, Patrick O. Maxon and Ronald M. Bissell of RMW Paleo Associates completed archaeological monitoring during grading activities in the La Vina development. Prior to the destruction of 19-001599 by grading activities, the site was comprised of four distinct loci. Locus A was a surficial lithic scatter with grinding tools. Locus B contained buried artifacts and a portion of a historic headstone (19-002679). Another historic burial(s) is suspected in this vicinity but was not observed during grading activities. Loci B and C contained prehistoric and historic debris and are located in a flat area west of Lincoln Avenue and south of the former La Vina Sanatorium. Monitoring of grading activities did not identify any intact archaeological materials. One discoidal (19-100276) was found in fill material. The

Maxon and Bissell report also mentions the discoveries Carmen Weber made in 1992 during her assessment of historic archaeological resources within the La Vina property. Ms. Weber formally recorded all of the remnants of the hospital buildings (19-002055 and 19-002056, the Gidding's Toll Road). Weber's report states that "all historic feature, including Giddings' Reservoir and the two Lincoln Water Company Reservoirs were determined to be *not important* and no further cultural resource investigations (excepting Locus B) is possible."

- LA6957: In 2002, Noelle Storey of Jones and Stokes conducted a Phase I Archaeological Survey of 1 acre of existing apiary sites. No archaeological sites were observed at either location.
- LA4122: In 1993, Douglas Millbrew of Heritage Resource conduct an archaeological reconnaissance report for Kinneloa Fire Suppression Project. No archaeological resources were observed at this location.
- LA4121: In 1995, Robert Wlodaski of Mack, Inc. conducted a cultural resource evaluation at Rubio Canyon for a pipeline extension. No archaeological resources were observed at this location.
- LA3277: In 1995, Robert Wlodaski of Mack, Inc. conducted a cultural resource evaluation at Mount Wilson Toll Road. The site was determined to be eligible for NRHP, yet no cultural resources were found at the site.
- LA4485: In 1985, Mike McIntyre of USDA Forest Service-Angeles National Forest conducted an archaeological resource report for a trail use study. No archaeological resources were found at this site.
- LA6858: In 1998, David R.M. White of SCE conducted an archaeological survey report on transmission lines (ARR-05-01-0681). No cultural resources were discovered at this site.
- LA3153: In 1978, Rick Ober of USDA Forest Service-Angeles National Forest conducted an archaeological reconnaissance report on Idle Hour Trail. No archaeological resources were observed.
- LA1312: In 1996, Rick Wessel of CSUN conducted an archaeological resource report on upgrading and expanding a fuel break system. No cultural resources were found.
- LA3450: In 1996, R.S. Wlodaski of Historic Environmental, Inc. conducted an cultural resource report on a proposed pipeline in Millard Canyon. No cultural resources were reported.
- LA1674: In 1986, David White of SCE conducted an Helicopter-assisted archaeological reconnaissance report on 220 kV transmission lines. No cultural resources were observed.
- LA640: In 1975, Ron Mayer of USDA Forest Service & Fire Warden conducted an archaeological resource report on widening the Mount Wilson Toll Road. The report was inclusive.

RESULTS

The presence of cultural resources within the proposed project site and within a 0.25-mile radius of the proposed project site yields an acknowledged cultural resource sensitivity rating of medium. As a result of the proposed project's potential impacts to cultural resources, the following recommendations have been provided:

- Cultural resources previously recorded within the proposed project area shall be re-evaluated and where necessary mitigated or the trail realigned, if the width of proposed trail segments occurs within 25 feet of either side of a cultural resource.
- In areas identified as having a potential to contain cultural resources, an archaeological monitor shall be present during brush removal and soil disturbance.

Should there be any questions regarding the information contained in this MFR, please contact Mr. Edward Belden at (626) 683-3547, extension 234.

REFERENCES

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